

### ABSTRACT OF THE DISCLOSURE

An improved decoding and processing system is provided for advanced determination and display of geographic information to a called party relating to the call origination party. The improved system comprises a receiving means to receive the calling number delivery (CND) message from a local central office (CO) switch or mobile station switching center; a microcontroller storage and retrieval device containing a data base library for selectively determining the corresponding geographic information such as city and/or state by matching the area code and/or local exchange number received from the call origination party; and a readout device for displaying the city and/or state of the incoming call. Preferably, the system includes capability to automatically update the data base library of the storage and retrieval device as new area codes and/or local exchanges are subsequently assigned. Accordingly, the improved system provides the user with convenient and efficient display of geographic information related to caller identification that is capable of determining an ever-increasing number of area code and local telephone exchange numbers.